

# Data Sheet

## FUJITSU PRIMECENTER M1 19-inch Racks

### 19-inch Industry Standard Rack Systems

The trend to consolidation as a result of virtualization and optimization require environments that are more flexible and reliable. Decades of data center experience at Fujitsu result in the latest 19-inch Rack Family. The new Fujitsu PRIMECENTER racks are the foundation for meeting IT data center requirements. The PRIMECENTER Racks are the basis for building perfect data center infrastructures. The PRIMECENTER 19-inch Racks can be used to install Fujitsu solutions as well as third-party products. They meet all requirements for flexibility thanks to the multiple configuration options, cooling and maintenance features. In addition a broad portfolio of optional rack accessories complete the efficient rack infrastructure solutions.

#### PRIMECENTER M1 19-inch Racks

The Fujitsu PRIMECENTER M1 19-inch Racks are the basis for rack configurations, such as server, storage systems as well as operating controls, such as consoles, switches, power distribution units (PDUs) and uninterruptible power supplies (UPS). As the PRIMECENTER M1 19-inch Racks are based on the industry standards EIA310-D, DIN41494 and IEC 297, they can accommodate commercial products that match such standards. The racks can

be extended horizontally and fit into the existing IT scenario.

The PRIMECENTER M1 Racks come as asymmetric and symmetric 700 mm wide versions in 24 and 42 height units as well as symmetric 600 mm wide versions in 16, 24 and 42 height units.

The symmetric racks offer up to 4 vertical 19-inch slots on left and right front side which can be used for switches or to guide cables from front to rear. The asymmetric racks provide up to 6 vertical 19-inch slots on left front side and space for the patented sideways Fujitsu cable management in the rear. 80% degree of perforation (approximate) and excellent cable management to optimize air flow for cooling and high heat dissipation. The design of the PRIMECENTER M1 Racks ensures easy service and simple maintenance.



| Main Features   | Benefits   |
|---|--|
| <ul style="list-style-type: none"> <li>■ 19-inch standard rack technology</li> <li>■ Optimized rack structures</li> <li>■ Design</li> <li>■ Capacity</li> <li>■ Ease of service</li> <li>■ Access protection</li> </ul> | <ul style="list-style-type: none"> <li>■ To install Fujitsu Technology Solutions rack servers, storage products and components as well as products from other manufacturers.</li> <li>■ Different rack frames for efficient server, switch, power and cable installation with best possible airflow.</li> <li>■ Asymmetric rack structure with perfect lateral cable management (700 mm width) or symmetric rack structures (600 mm or 700 mm width)</li> <li>■ as</li> <li>■ One wing design front door and two wing rear door, tool less removable.</li> <li>■ Retractable anti-tilt protection.</li> <li>■ Optional factory installation with cabling and final tests.</li> <li>■ Front-, rear doors and side panels are lockable.</li> </ul> |

# Technical details

| Base unit                          | Order code       | Dimensions (W x D x H)  | Vertical Slots | Transport Dimensions (W x D x H)  | Max. pay load / dynamic load | Net weight |
|------------------------------------|------------------|-------------------------|----------------|-----------------------------------|------------------------------|------------|
| PCR M1 724A<br>(24 U asymmetrical) | S26361-K827-V120 | 700mm x 1050mm x 1203mm | 4              | 800mm x 1200mm x 1350mm (approx.) | 540 kg / 650 kg              | 89 kg      |
| PCR M1 742A<br>(42 U asymmetrical) | S26361-K827-V140 | 700mm x 1050mm x 2003mm | 6              | 800mm x 1200mm x 2150mm (approx.) | 878 kg / 1000 kg             | 122 kg     |
| PCR M1 724S<br>(24 U symmetrical)  | S26361-K827-V220 | 700mm x 1050mm x 1203mm | 2              | 800mm x 1200mm x 1350mm (approx.) | 540 kg / 650 kg              | 89 kg      |
| PCR M1 742S<br>(42 U symmetrical)  | S26361-K827-V240 | 700mm x 1050mm x 2003mm | 4              | 800mm x 1200mm x 2150mm (approx.) | 878 kg / 1000 kg             | 122 kg     |
| PCR M1 616S<br>(16 U symmetrical)  | S26361-K827-V310 | 600mm x 1050mm x 847mm  |                | 700mm x 1200mm x 1075mm (approx.) | 320 kg / 400 kg              | 64 kg      |
| PCR M1 624S<br>(24 U symmetrical)  | S26361-K827-V320 | 600mm x 1050mm x 1203mm |                | 700mm x 1200mm x 1350mm (approx.) | 540 kg / 650kg               | 82 kg      |
| PCR M1 642S<br>(42 U symmetrical)  | S26361-K827-V340 | 600mm x 1050mm x 2003mm |                | 700mm x 1200mm x 2150mm (approx.) | 888 kg / 1000 kg             | 112 kg     |

## Rack Infrastructure

|                                     |  |
|-------------------------------------|--|
| <b>Variants</b>                     | Asymmetrical design 700 mm, 24+4 U and 42+6 U, for patented cable management<br>Symmetrical design 700 mm, 24+2 U and 42+4 U with standard rack design<br>Symmetrical design 600 mm, 16 U, 24 U and 42 U with space optimized rack design  |
| <b>Capacity</b>                     | 16 heights units with up to 20 kg load per horizontal height unit, maximum weight up to 400 kg.<br>24 height units plus up to 4 vertical height units (depth of up to 300 mm incl. cable space). Up to 20 kg load per horizontal, 3.5 kg per vertical height unit, maximum weight up to 650 kg.<br>42 height units plus up to 6 vertical height units (depth of up to 300 mm incl. cable space). Up to 20 kg load per horizontal, 3.5 kg per vertical height unit, maximum weight up to 1000 kg. |
| <b>Doors</b>                        | One-piece front door and two-piece rear door with high percentage of holes (approx. 80%) for improved server cooling. Ergonomic door handles   |
| <b>Front door</b>                   | One-piece design front door with ergonomic handle bar, right or left hand mounting possible.   |
| <b>Rear door</b>                    | Twin doors to optimize needed service space<br>One door with cable entry   |
| <b>Internal depth</b>               |  |
| <b>19-inch clearance</b>            | 450.5 mm +1 mm/-0 mm   |
| <b>Front/rear 19-inch level</b>     | 740 mm   |
| <b>Space for cabling</b>            | Up to 100 mm on front side<br>Up to 180 mm on rear side  |
| <b>Cable management and service</b> | Optimized cable routing solutions.<br>Cabling openings in the floor group and in the rear door.  |
| <b>Maximum load</b>                 | Up to 10000 N stationary on leveling feets, 200 N per U<br>10000 N dynamic load (movable on castors)   |
| <b>Permitted total weight</b>       | Up to 10000 N / 1000 kg for 42U racks  |
| <b>Shipment</b>                     | Optionally ex works, fully mounted and tested including cabling. Shipment including 4 heavy-duty castors and 4 adjusting feet on a shock-absorbing pallet.   |
| <b>Top cover</b>                    | Two break out entries for external cabling   |
| <b>Security</b>                     |  |
| <b>Protection class</b>             | DIN (EN60529) IP20   |
| <b>Security functions</b>           | Lockable front, rear door and side panels, optional antitilt protection.   |
| <b>Rack accessories</b>             | Optional available: rack mounting kits; cable management solutions; networking components, I/O switches, mounting kits, accessory kits, shelves, electrical connections, monitoring (rack console, KVM switches), uninterruptible power supply (UPS), power distribution units (PDU)   |

**Environment**

|                                      |   |
|--------------------------------------|---|
| <b>Environmental compliance</b>      | Operation: Class 3K3*, 3M2, 3S2<br>Transport: Class 2K2, 2M2, 2M1   |
| <b>Environmental compliance note</b> | *Possibly restricted by rack components   |
| <b>Operating relative humidity</b>   | 15 - 98 %   |
| <b>Operating environment</b>         | FTS 04230 – Guideline for Data Center (installation specification)  |
| <b>Operating environment link</b>    | <a href="http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe">http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe</a> |

**Compliance**

|                         |   |
|-------------------------|---|
| <b>Germany</b>          | GS  |
| <b>Europe</b>           | EN  |
| <b>USA/Canada</b>       | UL/CSA  |
| <b>Global</b>           | CB<br>RoHS (Substance limitations in accordance with global RoHS regulations)<br>WEEE (Waste electrical and electronic equipment)   |
| <b>Compliance notes</b> | There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request. |
| <b>Compliance link</b>  | <a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>   |

# More information

## Fujitsu products, solutions & services

In addition to FUJITSU Server PRIMECENTER M1 19-inch Racks, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Built on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offerings. This allows customers to select from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

### Computing Products

[www.fujitsu.com/global/products/computing/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about FUJITSU Server PRIMECENTER M1 19-inch Racks, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. <http://www.fujitsu.com/primergy>

## Fujitsu green policy innovation

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Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



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